5   ABSTRACT

Asynchronous mobile communication system, and method for implementing a system information broadcasting function in an asynchronous mobile communication system.   Upon reception of a system information renewal message from a radio network controller, a base station stores RSIMs generated by all information block segments and scheduling parameters

10   in the message, and then calculates a first transmission time point of each of RSIMs.   The base station then forms a queue of the RSIMs according to a queuing algorithm set for the RSIMs.   At the end, the base station transmits the RSIM to the air when the transmission time point of a first element of the queue is the same with the current time point at every 20ms intervals. Therefore, the processing time and the use of memory in the channel card of

15   the base station can be optimized.